

WHAT IS CLAIMED IS:

- 1 1. A data cartridge comprising:
2 (a) a body;
3 (b) a memory device in the body;
4 (c) a connector extending from the body and coupled to the memory
5 device; and
6 (d) a microphone attached to or incorporated within the body.
- 1 2. The data cartridge of claim 1 wherein the microphone is present in the
2 body.
- 1 3. The data cartridge of claim 1 wherein the microphone is inside of the
2 body, and wherein the data cartridge further comprises a dummy microphone structure
3 including a neck and a head portion, wherein the neck couples the head portion to the body.
- 1 4. The data cartridge of claim 1 wherein the microphone is inside of the
2 body, and wherein the data cartridge further comprises a dummy microphone structure
3 including a neck and a head portion comprising an illumination source, wherein the neck
4 couples the head portion to the body, and wherein the neck comprises a thick conductive wire
5 that is electrically coupled to the illumination source.
- 1 5. The data cartridge of claim 1 wherein the data cartridge further
2 comprises a microprocessor electrically coupled to the microphone and the connector.
- 1 6. The data cartridge of claim 1 wherein the data cartridge further
2 comprises a release member and a clamp member coupled to the body.
- 1 7. The data cartridge of claim 1 wherein the data cartridge further
2 comprises a battery and an SRAM chip inside of the body.
- 1 8. The data cartridge of claim 1 wherein the memory device is a ROM.
- 1 9. The data cartridge of claim 1 wherein the memory device comprises
2 code for audio outputs for print elements in a book.

1 10. A data cartridge comprising:
2 (a) a plastic body;
3 (b) a connector extending from the body;
4 (c) a first memory device in the body storing code for audio outputs for
5 print elements in a print medium;
6 (d) a microprocessor in the body;
7 (e) a microphone electrically coupled to the microprocessor;
8 (f) a connector extending from the body and coupled to the memory
9 device and the microprocessor;
10 (g) a second memory device coupled to the microprocessor, wherein the
11 second memory device is adapted to store code for the user's voice;
12 (h) a dummy microphone including a head portion and a neck, wherein the
13 neck is coupled to the body; and
14 (i) an illumination source in the head portion of the dummy microphone,
15 and being electrically coupled to the microprocessor.

1 11. The data cartridge of claim 10 further comprising a battery electrically
2 coupled to the second memory device.

1 12. The data cartridge of claim 10 wherein the neck comprises a thick
2 conductor that retains a shape after being manipulated by a user.

1 13. The data cartridge of claim 10 wherein the first memory device is a
2 ROM chip and the second memory device is a RAM chip.

1 14. The data cartridge of claim 10 wherein audio outputs and the user's
2 recorded voice form a unique story.

1 15. The data cartridge of claim 10 wherein the print medium is a children's
2 book.

1 16. The data cartridge of claim 10 wherein the print medium is a sheet.

1 17. The data cartridge of claim 10 wherein the first memory device is a
2 ROM chip.

1 18. The data cartridge of claim 10 further comprising a release member
2 and a clamp member coupled to the body.

1 19. The data cartridge of claim 10 further comprising two release members
2 and two clamp members coupled to the body.

1 20. An electrographic position location apparatus comprising:
2 (a) a platform including a first connector and a surface, the surface capable
3 of receiving a print medium;
4 (b) a data cartridge comprising (i) a body, (ii) a memory device in the
5 body, (iii) a second connector extending from the body and coupled to the memory device,
6 and (iv) a microphone attached to or incorporated within the body,
7 wherein the first and second connectors are connectable to each other.

1 21. The electrographic position location apparatus of claim 20 further
2 comprising a stylus coupled to the platform.

1 22. The electrographic position location apparatus of claim 20 wherein the
2 platform comprises an antenna.

1 23. The electrographic position location apparatus of claim 20 wherein the
2 platform is foldable.

1 24. The electrographic position location apparatus of claim 20 further
2 comprising a stylus including a receiving antenna and wherein the platform includes a
3 transmitting antenna.

1 25. The electrographic position location apparatus of claim 20 wherein the
2 microphone is present in the body.

1 26. The electrographic position location apparatus of claim 20 wherein the
2 microphone is inside of the body, and wherein the data cartridge further comprises a dummy
3 microphone structure including a neck and a head portion, wherein the neck couples the head
4 portion to the body.

1 27. The electrographic position location apparatus of claim 20 wherein
2 memory device is a ROM.

1 28. The electrographic position location apparatus of claim 20 wherein the
2 data cartridge further comprises a release member and a clamp member coupled to the body.

1 29. The electrographic position location apparatus of claim 20 wherein the
2 memory device is an SRAM.

1 30. An electrographic position location apparatus comprising:
2 (a) a platform comprising a surface;
3 (b) a print medium suitable for placement on the surface, wherein the print
4 medium comprises a record print element and a playback print element, wherein the playback
5 print element is present along with other print elements that together are used to form a
6 unique passage, wherein the unique passage is used in a story or a game;
7 (c) a plurality of electrical elements in the platform and under the surface;
8 (d) a microprocessor coupled to the plurality of electrical elements;
9 (e) a memory device coupled to the microprocessor, wherein the memory
10 device comprises code for recording a user's voice, code for storing the user's recorded
11 voice, code for playing back the user's voice, and code for providing sounds associated with
12 the other print elements; and
13 (f) an audio output device coupled to the microprocessor.

1 31. The electrographic position location apparatus of claim 30 wherein the
2 electrical element is an antenna.

1 32. The electrographic position location apparatus of claim 30 further
2 comprising a stylus coupled to the platform, wherein the stylus comprises an antenna.

1 33. The electrographic position location apparatus of claim 30 wherein the
2 plurality of electrical elements comprise a first electrical element and a second electrical
3 element, and wherein the record print element is over the first electrical element, and the
4 playback print element is disposed over the second electrical element when the print medium
5 is on the surface.

1 34. The electrographic position location apparatus of claim 30 wherein the
2 electrical elements comprise pressure switches.

1 35. The electrographic position location apparatus of claim 30 further
2 comprising a microphone, wherein the microphone is coupled to the microprocessor.

1 36. The electrographic position location apparatus of claim 30 further
2 comprising a data cartridge including a microphone and a connector, wherein the data
3 cartridge is capable of being coupled to the platform via the connector.

1 37. The electrographic position location apparatus of claim 30 further
2 comprising a data cartridge including (i) a body, (ii) a microphone in the body, (iii) a
3 connector extending from the body, and (iv) a dummy microphone structure coupled to the
4 body, wherein the data cartridge is capable of being coupled to the platform via the
5 connector.

1 38. The electrographic position location apparatus of claim 30 further
2 comprising a memory device coupled to the microprocessor, wherein the memory device
3 stores code for prompting the user to record the user's voice, and code for playing back the
4 user's voice via the audio output device.

1 39. The electrographic position location apparatus of claim 30 wherein the
2 platform is foldable.

1 40. The electrographic position location apparatus of claim 30 wherein the
2 print medium is a book.

1 41. A kit for use in an electrographic position location apparatus, the kit
2 comprising:
3 (a) a print medium including a record print element;
4 (b) a data cartridge including (i) a body, (ii) a memory device in the body,
5 (iii) a connector extending from the body and coupled to the memory device, and (iv) a
6 microphone attached to or incorporated within the body.

1 42. The kit of claim 41 wherein the print medium is a book.

1 43. The kit of claim 41 wherein the print medium is a sheet.

1 44. The kit of claim 41 wherein the microphone is inside of the body, and
2 wherein the data cartridge further comprises a dummy microphone structure including a neck
3 and a head portion, wherein the neck couples the head portion to the body.

1 45. The kit of claim 41 wherein the microphone is inside of the body, and
2 wherein the data cartridge further comprises a dummy microphone structure including a neck
3 and a head portion comprising an illumination source, wherein the neck couples the head
4 portion to the body, and wherein the neck comprises a thick conductive wire that is
5 electrically coupled to the illumination source.

1 46. The kit of claim 41 wherein the data cartridge further comprises a
2 microprocessor electrically coupled to the microphone and the connector.

1 47. The kit of claim 41 wherein the data cartridge further comprises a
2 battery and an SRAM chip inside of the body.

1 48. The kit of claim 41 wherein the data cartridge comprises a clamp
2 member.

1 49. The kit of claim 41 wherein the memory device comprises code for
2 audio outputs for print elements in the print medium.

1 50. The kit of claim 41 wherein the microphone is inside of the body.

1 51. A method of interacting with a print medium, the method comprising:
2 (a) placing a print medium on a platform including a surface, a plurality of
3 electrical elements under the surface, and a speaker, wherein the print medium comprises a
4 record print element, a playback print element, and additional print elements;
5 (b) selecting the record print element;
6 (c) speaking into a microphone to record a voice;
7 (d) selecting the playback print element, wherein the playback print element
8 causes a speaker in the platform to play back the user's voice along with audio corresponding
9 to the additional print elements in a story or a game.

1 52. The method of claim 51 wherein selecting comprises using a stylus
2 coupled to the platform to select the record print element.

1 53. The method of claim 51 wherein the playback print element is a
2 narrative print element.

1 54. The method of claim 51 wherein the playback print element is an icon
2 that represents the user's name, favorite food, or favorite animal.

1 55. A data cartridge comprising:
2 (a) a body;
3 (b) a first connector extending from the body;
4 (c) a second connector extending from the body;
5 (d) a microphone attached to or incorporated within the body; and
6 (e) a memory device coupled to the second connector,
7 wherein the first connector is for connecting the data cartridge to an external
8 connector.

1 56. The data cartridge of claim 55 wherein the data cartridge does not
2 include an audio or visual output device.

1 57. The data cartridge of claim 55 wherein the memory device and the
2 body are separable.

1 58. The data cartridge of claim 55 wherein the memory device comprises a
2 ROM.

1 59. The data cartridge of claim 55 wherein the microphone is in the body
2 and wherein the data cartridge further comprises a dummy microphone structure.

1 60. An electrographic position location apparatus comprising:
2 (a) a platform comprising a surface;
3 (b) a print medium including a print element, wherein the print medium is
4 capable of being received on the platform;
5 (c) a plurality of electrical elements in the platform and under the surface;
6 (d) a microprocessor coupled to the plurality of electrical elements;
7 (e) a memory device coupled to the microprocessor, wherein the memory
8 device comprises code for recording a user's voice, code for storing the user's recorded
9 voice, and code for playing back the user's voice;

10 (f) an audio output device coupled to the microprocessor; and
11 (g) a microphone structure coupled to the platform, wherein the
12 microphone structure comprises a head portion and a neck.

1 61. The electrographic position location apparatus of claim 60 wherein the
2 microphone structure is a dummy microphone structure and wherein the apparatus further
3 comprises a microphone in the platform.

1 62. The electrographic position location apparatus of claim 60 wherein the
2 platform further comprises a recess for receiving the microphone structure.

1 63. The electrographic position location apparatus of claim 60 wherein the
2 print medium comprises a record print element and a playback print element.

1 64. The electrographic position location apparatus of claim 60 wherein the
2 platform is foldable.

1 65. The electrographic position location apparatus of claim 60 wherein the
2 print medium comprises print elements for a game or for a story.

1 66. The electrographic position location apparatus of claim 60 wherein the
2 microphone structure comprises an LED.

1 67. A toy comprising:

2 (a) a housing having a display screen;

3 (b) a plurality of electrical elements in the housing and under the display
4 screen;

5 (d) a microprocessor coupled to the plurality of electrical elements;

6 (e) a memory device coupled to the microprocessor, wherein the memory
7 device comprises code for recording a user's voice, code for storing the user's recorded
8 voice, code for playing back the user's voice, and code for generating one or more images on
9 the display screen;

10 (f) an audio output device coupled to the microprocessor; and

11 (g) a microphone structure coupled to the housing, wherein the
12 microphone structure comprises a head portion and a neck.

1 67. The toy of claim 67 wherein the microphone structure is a dummy
2 microphone structure and wherein the toy further comprises a microphone in the platform.

1 69. The toy of claim 67 wherein the memory device comprises audio
2 generating code capable of recording a user's voice and coordinating playback of the
3 recorded voice with the displayed images.

1 68. The toy of claim 67 wherein the microphone structure comprises an
2 LED.